**Certified Copy Attached?** 

NO

YES

**Priority** 

Not Claimed

PTO/SB/01 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
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| 1 |  | <b>Attorney Docket Num</b>    | ber     | 10001-30614                                 |  |
|---|--|-------------------------------|---------|---|--|
| 1 | DECLARATION FOR UTILITY OR DESIGN  | First Named Inventor          |         | Duke  |  |
| 1 | PATENT APPLICATION   | COMPLETE IF KNOWN             |         |   |  |
| ١ | (37 CFR 1.63)  | Application Number            |         |   |  |
| 1 | Declaration Submitted with Initial Filing  Declaration Submitted after Initial Filing (37 CFR 1.16 (e)) required)  | Filing Date                   |         | 12/04/2001                                  |  |
|   |  | Art Unit                      |         |   |  |
| ( |  | Examiner Name                 |         |   |  |
|   | As the below named inventor, I hereby declare that:  My residence, mailing address, and citizenship are as stated below  | v next to my name.            |         |   |  |
|   | I believe I am the original and first inventor of the subject matter when  | nich is claimed and for which | ch a pa | tent is sought on the invention entitled:   |  |
|   | A METHOD AND APPARATUS FOR STOR<br>MULTICAST SYSTEM  | RING AND UPDAT                | ΓING    | INFORMATION IN A                            |  |
|   | (Title of the Ir   | oventian)                     |         |   |  |
|   | (Title of the Invention) the specification of which  |                               |         |   |  |
|   | is attached hereto   |                               |         |   |  |
|   | OR was filed on (MM/DD/YYYY)   | as United States A            | Applica | tion Number or PCT International            |  |
|   | Application Number and was amended   | ed on (MM/DD/YYYY)            |         | (if applicable).                            |  |
|   | I hereby state that I have reviewed and understand the contents o any amendment specifically referred to above.  |                               |         |   |  |
|   | I acknowledge the duty to disclose information which is material to applications, material information which became available betwee international filing date of the continuation-in-part application.  | n the ming date of the pho    | аррік   | satisfied the material experience           |  |
|   | I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) breeder's rights certificate(s), or 365(a) of any PCT international States of America, listed below and have also identified below, breeder's rights certificate(s), or any PCT international applicational claimed. | by checking the hove any      | foreian | application for patent, inventor's or plant |  |

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: [Page 1 of 2]

Country

**Prior Foreign Application** 

Number(s)

Foreign Filing Date

(MM/DD/YYYY)

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## **DECLARATION** — Utility or Design Patent Application

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| I hereby declare that all statements made are believed to be true; and further that the made are punishable by fine or imprisonm validity of the application or any patent issue. | hese statements<br>lent, or both, un-                | were made with     | the kno                   | owledge that willful false | statements and the like so |  |
| NAME OF SOLE OR FIRST INVE  | NTOR :   | A petition h       | as bee                    | n filed for this unsign    | ned inventor               |  |
| Andrew Given Name (first and middle [if any])   |  |                    | Family<br>or Sur          | Duke<br>Name<br>name       |                            |  |
| Inventor's<br>Signature   |  |                    |                           |                            |                            |  |
| Franklin  | ļ  | MA                 |                           | USA                        | USA                        |  |
| Residence: City   |  | State              |                           | Country                    | Citizenship                |  |
| Mailing Address  General Dynamics   | , 77 A Street,                                       | Mail Stop 8-       | 11                        |                            |                            |  |
| Needham   |  | MA                 |                           | 02494                      | USA                        |  |
| City  |  | State ZIP          |                           | ZIP                        | Country                    |  |
| NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor   |  |                    |                           |                            |                            |  |
| George Given Name (first and middle [if any])   | n Name t and middle [if any])  ntor's                |                    |                           |                            |                            |  |
| Inventor's<br>Signature   |  |                    |                           | Date                       |                            |  |
| Residence: City   |  | State              |                           | Country                    | Citizenship                |  |
| General Dynamics  | s, 1306 Conc   | ourse Drive        |                           |                            |                            |  |
| Mailing Address   |  |                    |                           |                            | <del></del>                |  |
| Linthicum   |  | MD                 |                           | 21090                      | Usa                        |  |
| City  |  | State              |                           | ZIP                        | Country                    |  |
| Additional inventors are being named  | on thesup  | plemental Addition | onal Inve                 | ntor(s) sheet(s) PTO/SB    | 02A attached hereto.       |  |

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

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## **POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

| Application Number     |             |  |
|------------------------|-------------|--|
| Filing Date            |             |  |
| First Named Inventor   | Duke        |  |
| Title                  |             |  |
| Group Art Unit         |             |  |
| Examiner Name          |             |  |
| Attorney Docket Number | 10001-30614 |  |

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|                               | e of reco   | or.<br>ord of the entire intere<br>r 37 CFR 3.73(b) is er |                           |            | 96).                 |  |            |
|                               |             | SIGNATURE of A  | applicant or Assign       | nee of F   | Record               |  |            |
| Name                          |             | George Stephe   | ens                       |            |                      |  |            |
| Signature                     | Deor        | ese Stephon   |                           |            |                      |  |            |
| Date                          | 191         | Jov. 2001   |                           |            |                      |  |            |
|                               | the inver   | ntors or assignees of record is required, see below*.     | d of the entire interes   | t or their | representative(s) a  | are required. Submit m                     | ultiple    |
| ☐ *Total of                   |             | rms are submitted.  |                           |            |                      |  |            |
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|  | Application Number        |   |
|  | Filing Date               |   |
|  | First Named Inventor      | Duke  |
| POWER OF ATTORNEY OR AUTHORIZATION OF AGENT  | Title                     |   |
|  | Group Art Unit            |   |
|  | Examiner Name             |   |
|  | Attorney Docket Number    | 10001-30614   |

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|  |                         | prosecute the application          |                  |                                    | t all              |  |
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| I am the:  |                         |                                    |                  |                                    |                    |  |
| X Applicant/Inventor.  |                         |                                    |                  |                                    |                    |  |
| Assignee of record of the entire interest. See 37 CFR 3.71.  Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). |                         |                                    |                  |                                    |                    |  |
| SIGNATURE of Applicant or Assignee of Record   |                         |                                    |                  |                                    |                    |  |
| Name Andrew Duke   |                         |                                    |                  |                                    |                    |  |
| Signature  | a                       | h h                                |                  |                                    |                    |  |
| Date   | 19 NOU                  | 2001                               |                  |                                    |                    |  |
|  | the inventors or assign | nees of record of the entire inter | est or their rep | resentative(s) are required        | d. Submit multiple |  |
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Notary PIGARLENE CAINE NOTARY PUBLIC STATE OF MARYLAND My Commission Expires January 25, 2003

| Serial No.  |
|---|
| Filed   |
|   |
| In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to  |
| General Dynamics Communication Systems  |
| its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements (hereinafter called "said invention") of the undersigned disclosed in an application for Letters Patent of the United States, entitled:  |
| A METHOD AND APPARATUS FOR STORING AND UPDATING INFORMATION IN A MULTICAST SYSTEM   |
| executed by the undersigned on the 19 day of Nor, 2001, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.  |
| The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to said assignee.   |
| The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.   |
| For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made. |
| And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights under the International Convention, and agrees to execute, at the request of said assignee, all documents in connection with any application for foreign letters patent therefor.   |
| (Date) Scorge Stephens  George Stephens   |
| STATE OF <u>Marylancl</u> ) ss  COUNTY OF <u>Anne</u> ) ss  Arondel   |
| Before me, a Notary Public in and for the County and State aforesaid, appeared <u>George Stephens</u> to me personally known to be the signer, or signers, of the foregoing instrument, and acknowledged execution of said instrument as a free and voluntary act for the uses and purposes therein expressed this 19 day of Nov. , 2001.   |
| Havere Caire  |

Notary Public MY COMMISSION EXPIRES MARCH 21, 2008

| Serial No.  |
|---|
| Filed   |
|   |
| In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to  |
| General Dynamics Communication Systems  |
| its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements (hereinafter called "said invention") of the undersigned disclosed in an application for Letters Patent of the United States, entitled:  |
| A METHOD AND APPARATUS FOR STORING AND UPDATING INFORMATION IN A MULTICAST SYSTEM   |
| executed by the undersigned on the day of   |
| The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to said assignee.   |
| The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.   |
| For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made. |
| And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights under the International Convention, and agrees to execute, at the request of said assignee, all documents in connection with any application for foreign letters patent therefor.   |
|   |
| (Date) Andrew Duke  |
| (Date)  |
| STATE OF Mass. ) COUNTY OF Mayolk ) ss  |
| Before me, a Notary Public in and for the County and State aforesaid, appeared Andrew Duke to me personally known to be the signer, or signers, of the foregoing instrument, and acknowledged execution of said instrument as a free and voluntary act for the uses and purposes therein expressed this 19 day of Normalist , 2001.   |
| Dit of a  |